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Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U S DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |                                |                  |
|------------------------|--------------------------------|------------------|
| Attorney Docket No.    |                                | 061607-1330      |
| First Inventor         |                                | William L. Betts |
| Title                  | Digital Subscriber Line Driver |                  |
| Express Mail Label No. |                                | EL492180369US    |

| <b>APPLICATION ELEMENTS</b>   |   | <b>ADDRESS TO:</b>   |   |
|---|---|--|---|
| See MPEP Chapter 600 concerning utility patent application contents   |   | Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231 |   |
| <input type="checkbox"/> APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)   |   |  |   |
| 1. <input checked="" type="checkbox"/>  | Fee Transmittal Form (e.g., PTO/SB/17)<br>(Submit an original, and a duplicate for fee processing)  | 7. <input type="checkbox"/>  | CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)   |
| 2. <input type="checkbox"/>   | Applicant claims small entity status  | 8. <input type="checkbox"/>  | Nucleotide and/or Amino Acid Sequence Submission<br>(if applicable, all necessary)  |
| 3. <input checked="" type="checkbox"/>  | Specification<br>(preferred arrangement set forth below)  | a. <input type="checkbox"/>  | Computer Readable Copy (CRF)  |
|   | - Descriptive title of the invention<br>- Cross References to Related Applications<br>- Statement Regarding Fed. Sponsored R&D<br>- Reference to sequence listing, a table, or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings (if filed)<br>- Detailed Description<br>- Claim(s)<br>- Abstract of the Disclosure | b. <input type="checkbox"/>  | Specification Sequence Listing on:<br><br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies), or<br>ii. <input type="checkbox"/> Paper |
| 4. <input checked="" type="checkbox"/>  | Drawing(s) (35 USC 113)   | [Total Pages] 28   | c. <input type="checkbox"/> Statements verifying identity of above copies   |
| 5. <input type="checkbox"/>   | Oath or Declaration   | [Total Sheets] 6   |   |
| a. <input checked="" type="checkbox"/>  | Newly Executed (original or copy)   | 10. <input type="checkbox"/>   | Assignment Papers (cover sheet & Documents(s))  |
| b. <input type="checkbox"/>   | Copy from a prior application (37 CFR §1.63(d))<br>(for continuation/divisional with Box 17 completed)  | 11. <input type="checkbox"/>   | 37 CFR 3.73(b) Statement<br>(when there is an assignee)   |
| i. <input type="checkbox"/>   | <b>DELETION OF INVENTOR(S)</b><br>Signed statement attached deleting inventor(s)<br>named in the prior application,<br>see 37 CFR 1.63(d)(2) and 1.33(b).   | 12. <input checked="" type="checkbox"/>  | X Power of Attorney   |
| 6. <input type="checkbox"/>   | Application Data Sheet. See 37 CFR 1.76   | 13. <input type="checkbox"/>   | English Translation Document (if applicable)  |
| Assignee<br>Name and Address<br>(if applicable)   |   | 14. <input checked="" type="checkbox"/>  | Information Disclosure Statement (IDS)/PTO-1449   |
| Paradyne Corporation<br>8545 126 <sup>th</sup> Avenue, North<br>Largo, Florida 33773  |   | 15. <input type="checkbox"/>   | Copies of IDS Citations   |
| 16. <input checked="" type="checkbox"/> Preliminary Amendment   |   |  |   |
| 17. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br>(Should be specifically itemized)   |   |  |   |
| 18. <input type="checkbox"/> Certified Copy of Priority Document(s)<br>(if foreign priority is claimed)   |   |  |   |
| 19. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C.<br>122(b)(2)(B)(i). Applicant must attach form<br>PTO/SB/35 or its equivalent |   |  |   |
| 20. <input type="checkbox"/> Other: _____   |   |  |   |

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.

 Continuation     Divisional     Continuation-in-part (CIP)    of prior application No: /**Prior application information: Examiner** \_\_\_\_\_**Group / Art Unit:** \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts

**18. CORRESPONDENCE ADDRESS**

|   |   |  |                                   |          |              |
|---|---|--|-----------------------------------|----------|--------------|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 24504<br>(Insert Customer No. or Attach bar code label here)                        | or <input type="checkbox"/> Correspondence address below |                                   |          |              |
| NAME  | Scott A. Horstemeyer<br>Thomas, Kayden, Horstemeyer & Risley, L.L.P.                |  |                                   |          |              |
| ADDRESS   | 100 Galleria Parkway<br>Suite 1750  |  |                                   |          |              |
| CITY  | Atlanta   | STATE  | Georgia                           | ZIP CODE | 30339-5948   |
| COUNTRY   | U.S.A.  | TELEPHONE  | 770-933-9500                      | FAX      | 770-951-0931 |
| Name (Print/Type)   | Michael J. Tempel   |  | Registration No. (Attorney/Agent) | 41,344   |              |
| Signature   |  |  | Date                              | 12/27/00 |              |

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# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT | (\$ 974.00)

**Complete If Known**

|                      |                    |
|----------------------|--------------------|
| Application Number   | To Be Assigned     |
| Filing Date          | Even Date Herewith |
| First Named Inventor | William L. Betts   |
| Examiner Name        | To Be Assigned     |
| Group / Art Unit     | To Be Assigned     |
| Attorney Docket No.  | 061607-1330        |

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge to the following Deposit Account,

|                        |                        |
|------------------------|------------------------|
| Deposit Account Number | 16-0255                |
| Deposit Account Name   | Paradyne Corporation's |

Charge all indicated fees and any additional fee required or credit any overpayment.

Charge any additional fee required and requested to credit any overpayment.

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:
 Check     Money Order     Credit Card
**FEE CALCULATION****1. BASIC FILING FEE**

| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description        | Fee Paid |
|----------------|-----------------|----------------|-----------------|------------------------|----------|
| 101            | 710             | 201            | 355             | Utility filing fee     | \$710    |
| 106            | 320             | 206            | 160             | Design filing fee      | \$       |
| 107            | 490             | 207            | 245             | Plant filing fee       | \$       |
| 108            | 710             | 208            | 355             | Reissue filing fee     | \$       |
| 114            | 150             | 214            | 75              | Provisional filing fee | \$       |
| SUBTOTAL (1)   |                 |                |                 |                        | (\$710)  |

**2. EXTRA CLAIM FEES**

|                    | Extra Claims | Fee from below | Fee Paid      |
|--------------------|--------------|----------------|---------------|
| Total Claims       | 28           | -20** = 8      | x 18.00 = 144 |
| Independent Claims | 4            | -3** = 1       | x 80.00 = 80  |
| Multiple Dependent |              |                | 270.00 =      |

\*\*or number previously paid, if greater; For Reissue, see below

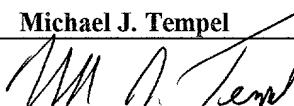
| Large Fee Code | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   |
|----------------|-----------------|----------------|-----------------|---|
| 103            | 18              | 203            | 9               | Claims in excess of 20                                    |
| 102            | 80              | 202            | 40              | Independent Claims in excess of 3                         |
| 104            | 270             | 204            | 135             | Multiple dependent claims in excess of 3                  |
| 109            | 80              | 209            | 40              | **Reissue independent claims over original patent         |
| 110            | 18              | 210            | 9               | **Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2)   |                 |                |                 | (\$934)   |

**3. ADDITIONAL FEES**

| Large Fee Code      | Entity Fee (\$) | Small Fee Code | Entity Fee (\$) | Fee Description   | Fee Paid |
|---------------------|-----------------|----------------|-----------------|---|----------|
| 105                 | 130             | 205            | 65              | Surcharge - late filing fee   |          |
| 127                 | 50              | 227            | 25              | Surcharge - late provisional filing fee or cover sheet                    |          |
| 139                 | 130             | 139            | 130             | Non-English specification   |          |
| 147                 | 2,520           | 147            | 2,520           | For filing a request for reexamination                                    |          |
| 112                 | 920*            | 112            | 920*            | Requesting publication of SIR prior to Examiner action                    |          |
| 113                 | 1,840*          | 113            | 1,840*          | Requesting publication of SIR after Examiner action                       |          |
| 115                 | 110             | 215            | 55              | Extension for reply within first month                                    |          |
| 116                 | 390             | 216            | 195             | Extension of time within second month                                     |          |
| 117                 | 890             | 217            | 445             | Extension of time within third month                                      |          |
| 118                 | 1,390           | 218            | 695             | Extension of time within fourth month                                     |          |
| 128                 | 1,890           | 228            | 945             | Extension of time within fifth month                                      |          |
| 119                 | 310             | 219            | 155             | Notice of Appeal  |          |
| 120                 | 310             | 220            | 155             | Filing a brief in support of an appeal                                    |          |
| 121                 | 270             | 221            | 135             | Request for oral hearing  |          |
| 138                 | 1,510           | 138            | 1,510           | Petition to institute a public use proceeding                             |          |
| 140                 | 110             | 240            | 55              | Petition to revive - unavoidable  |          |
| 141                 | 1,240           | 241            | 620             | Petition to revive - unintentional  |          |
| 142                 | 1,240           | 242            | 620             | Utility issue fee (or reissue)  |          |
| 143                 | 440             | 243            | 220             | Design issue fee  |          |
| 144                 | 600             | 244            | 300             | Plant issue fee   |          |
| 122                 | 130             | 122            | 130             | Petitions to the Commissioner   |          |
| 123                 | 50              | 123            | 50              | Petitions related to provisional applications                             |          |
| 126                 | 180             | 126            | 180             | Submission of Information Disclosure Stmt.                                |          |
| 581                 | 40              | 581            | 40              | Recording each patent assignment per property (time number of properties) | 40       |
| 146                 | 710             | 246            | 355             | Filing a submission after final rejection (37 CFR 1.129(a))               |          |
| 149                 | 710             | 249            | 355             | For each additional invention to be examined (37 CFR 1.129(b))            |          |
| 179                 | 710             | 279            | 355             | Request for Continued Examination (RCE)                                   |          |
| 169                 | 900             | 169            | 900             | Request for expedited examination of a design application                 |          |
| Other fee (specify) |                 |                |                 |   |          |
| Other fee (specify) |                 |                |                 |   |          |

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) 40

|                       |   |  |  |                          |
|-----------------------|---|--|--|--------------------------|
| SUBMITTED BY          |   |  |  | Complete (if applicable) |
| Typed or Printed Name | Michael J. Tempel   |  |  | Reg. Number 41,344       |
| Signature             |  |  |  | Date 12/1/00             |
|                       |   |  |  | Deposit Account User ID  |

12-11-00 A

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: William L. Betts

For: Digital Subscriber Line Driver

**CERTIFICATE OF EXPRESS MAIL**

Assistant Commissioner for Patents  
BOX: Patent Application  
Washington, D.C. 20231

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard;  
Utility Patent Application Transmittal Page;  
Fee Transmittal Page;  
Utility Patent Application Consisting Of:  
    21 Pages of Specification  
    6 Pages of Claims  
    1 Pages of Abstract  
    6 Pages of Formal Drawings;  
Assignment of Utility Patent Application (3 Pages);  
Assignment Cover Sheet;  
Declaration for Patent Application (2 Pages);  
Request and Certification under 35 U.S.C. 122(b)(2)(B)(i);  
Information Disclosure Citation (Form PTO-1449);  
Information Disclosure Statement;  
Copy of Patent No. 5,008,903 for IDS; and  
Authorization to Charge Deposit Account no. 16-0255 the amount  
of \$974.00 for application and assignment filing fees;

Further, the Commissioner is authorized to charge Deposit Account No. 16-0255 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 16-0255.

Respectfully submitted,

Michael J. Tempel, Reg. No. 41,344



THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.  
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

jc974 U.S. PTO  
12/07/00

Certificate of Express Mail  
Page 2 of 2

Our Docket No: **061607-1330**

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # **EL492180369US**.

Date:

December 7, 2000

Gloria L. Knox

